

Atlanta Regional Commission

Transportation and Land Use Peer Review

February 3, 2004

Why are we here?

- **Transportation Models Improvement Program (TMIP)**
- **Purpose**
- **Visitors from FHWA and Volpe**
- **Panel Members**
 - **Michael Morris, NCTCOG**
 - **Jeff May, DRCOG**
 - **Keith Lawton, Metro**
 - **Rita Walton, MAG**
 - **Gordon Garry, SACOG**

Transportation Model Development

- **TRANPLAN**
- **TP+**
- **CUBE**
- **Tour Based Modeling**
- **Peer Reviews**
- **Surveys**



TPD Structure

- **Transportation Division Structure**
 - **Long Range Planning**
 - **Short Range Planning**
 - **Models, Analysis & Data**
 - **Air Quality Policy / Emissions Models**



Land Use Model

- **Forecast Regional Control Totals**
- **Disaggregate using DRAM/EMPAL**



Planning Partners

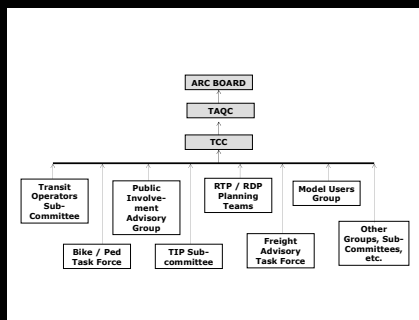
- **ARC Planning Partners**
 - **Georgia Department of Transportation**
 - **Georgia Regional Transportation Authority**
 - **Metropolitan Atlanta Rapid Transit Authority**
 - **State Environmental Protection Division**
 - **Federal Environmental Protection Agency**
 - **Federal Highway Agency**
 - **10 County Jurisdictions**



ARC Committees

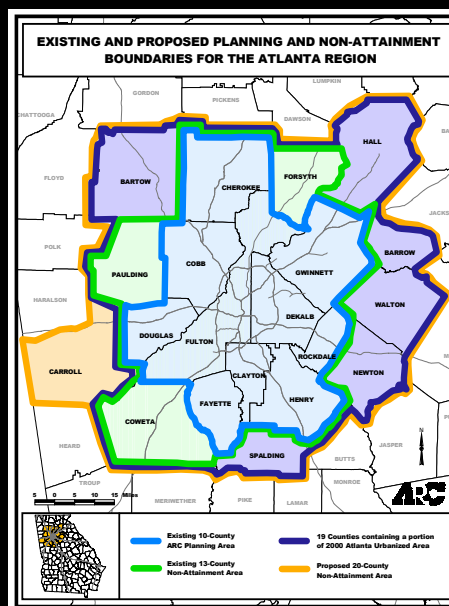
- **ARC Committee Structure**

- **Transportation Coordinating Committee (TCC)**
- **Transportation and Air Quality Committee (TAQC)**
- **ARC Board**
- **Interagency Consultation Group**



What is the Atlanta Region?

- 10-county ARC planning area
- 19 counties containing a portion of 2000 Atlanta UAB (ARC will likely expand to 18 counties)
- 13 counties classified as Serious ozone nonattainment area by 1990 CAAA (reclassification to Severe effective January 2004)
- 20 counties proposed for 8-hour nonattainment area



What is the Atlanta Region?

- 2,981 square miles
- 3,500,000 residents
- Over 16,500 roadway miles. Freeways only 2.2% but carry over 42% total VMT
- 31.8 Daily Vehicle Miles Traveled per capita
- 1.29 Daily Vehicle Hour Traveled per capita
- Mean travel time to work: 30.5 minutes



What is the Atlanta Region?

- Over 300 rail cars serving 46 miles of rail (one-way)
- More than 850 buses and vans serving 5,600 miles
- Transit ridership per weekday in 2002 over 560,000 people, an increase of 24,000 from 2001

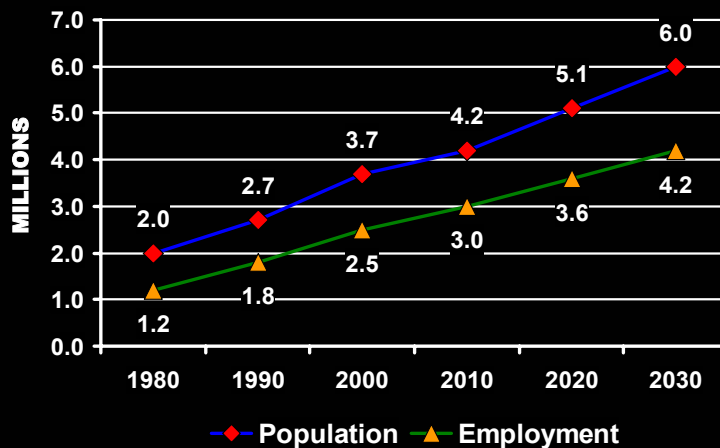


How do we Compare?

- Average travel time to work in the region increased 20.2% from 26 min in 1990 to 31.2 min in 2000. 4th highest % change in the nation. National travel time to work increased by 13.8 %, to 25.5 min in 2000.
- Total workers in Atlanta region increased by 33.6% in the last decade. Nation average increase total workers only by 11.5% .
- Driving alone dropped from 77.9% to 77%, a 0.9 % drop compared to National average increase of 2.5%.
- Carpooling increased 0.7% to 13.6%. National average saw 1.2% decline.
- Traveling by other modes of transportation increased 1.1%, from 4.6% to 5.7%, highest increase in the nation. National Average saw 0.8% decline.



Number One Challenge - Growth



(13 County Non-attainment Area)



Agenda for today

Morning Session – Overview of Current Practice

- 8:30 – 8:45** **Welcome and Introductions – Jane Hayse**
- 8:45 – 9:00** **Overview/Background – Jane Hayse**
Synopsis of 2000 Peer Review – Jane Hayse
- 9:00 – 10:00** **Current Modeling Practice**
Travel Demand Model – Guy Rousseau
- 10:00 – 10:15** **Break**
- 10:15 – 11:15** **Current Modeling Practice, Part 2**
Emissions Model – Tracy Clymer
Travel Demand Model – Guy Rousseau
- 11:15 – 11:45** **Questions from Panel**
- 11:45 – 1:00** **Lunch**



Agenda Continued

Afternoon Session – Continuation of Presentations on Current Practice

- 1:00 – 2:00** **Land Use Model**
Dram/Empal and IPEF – Bart Lewis
- 2:00 – 2:30** **Questions from Panel**
- 2:30 – 2:45** **Break**
- 2:45 – 4:00** **Tour-Based and Activity-Based Model
in Development**
Consultants
- 4:00 – 4:45** **Questions / Answers Session – Working
Session**



Agenda – Wednesday February 4

ARC Offices, Harry West Room

- 8:30 – 9:30** **Presentations by Other Government Officials**
GRTA, GDOT, MARTA, EPA, EPD, FTA, USDOT
Land Use Modeling in Phoenix and Sacramento
- 9:30 – 10:00** **Questions/Answers Session**
- 10:00 – 10:15** **Break**
- 10:15 – 12:15** **Panel convenes in closed session to prepare recommendations**
- 12:15 – 1:30** **Lunch**
- 1:30 – 4:45** **Interactive Dialogue and Questions/Answers Session**
Conversations between the Panel and ARC



Agenda for Thursday, February 5

ARC Offices, Harry West Room

- 9:00 – 10:30** **Panelists present findings/ recommendations**
- 10:30 – 10:45** **Break**
- 10:45 – 12:00** **Questions / Answers Session**

